



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

									May 199
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>WISCONSIN, Southeast</u>									
Iowa County 3 W Dodgeville	16	1445CST			0	0	1K		Thunderstorm Wind
Sauk County Reedsburg	16	1520CST			0	0	1K		Thunderstorm Wind
Iowa County Barneveld	16	1530CST			0	0			Hail (1.00)
Dane County Blue Mounds	16	1550CST			0	0	1K		Thunderstorm Wind
Dane County Madison	16	1612CST			0	0	2K		Thunderstorm Wind
Dane County Madison	16	1615CST			0	0	150K		Lightning
Jefferson County 2 S Lake Mills	16	1638CST			0	0			Hail (1.00)
Waukesha County Brookfield	16	1700CST 1900CST			0	0			Urban/Sml Stream Fld
Rock County Evansville	16	1715CST 1900CST			0	0			Urban/Sml Stream Fld
Washington County West Bend	16	1725CST			0	0	4K		Thunderstorm Wind (G52)
Ozaukee County Grafton	16	1730CST 1830CST			0	0			Urban/Sml Stream Fld
Racine County Waterford	16	1735CST			0	0			Thunderstorm Wind (G56)
Walworth County Williams Bay	16	1755CST			0	0	3K		Lightning
Walworth County Williams Bay	16	1755CST			0	0	3K		Lightning
Milwaukee County Milwaukee	16	1800CST			0	0	4K		Lightning
Milwaukee County Milwaukee	16	1800CST			0	0	4K		Lightning
Kenosha County Wheatland	16	1825CST			0	0	38K		Thunderstorm Wind
Kenosha County Kenosha	16	1830CST 2000CST			0	0			Urban/Sml Stream Fld
Milwaukee County Milwaukee	16	1830CST 2100CST			0	0	25K		Flash Flood
Kenosha County 3 W Kenosha	16	1855CST			0	0	1K		Hail (1.75)
Milwaukee County Oak Creek	16	1855CST			0	0	1K		Thunderstorm Wind (G54)
Lafayette County 2 NE Benton	16	2020CST			0	0			Hail (1.00)



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<u>WISCONSIN, Southeast</u>									
Iowa County 3 N Dodgeville	16	2100CST			0	0	1K		Thunderstorm Wind
Lafayette County South Wayne	16	2122CST			0	0			Hail (1.00)
Iowa County Countywide	16	2130CST 2359CST			0	0	50K		Flash Flood
Lafayette County South Portion	16	2130CST 2359CST			0	0	250K	500K	Flash Flood
Dane County 2 WSW Oregon to Oregon	16 17	2200CST 0100CST			0	0	100K		Flash Flood
Green County Countywide	16 17	2245CST 0100CST			0	0	120K	600K	Flash Flood
Rock County Janesville	16	2310CST			0	0	40K		Lightning
Rock County Janesville	16	2310CST			0	0	40K		Lightning
Rock County 1 S Emerald Grove	17	0007CST			0	0	75K		Thunderstorm Wind (G61)
Rock County Janesville	17	0025CST			0	0	175K		Thunderstorm Wind
Dane County Madison	17	0040CST			0	0	110K		Lightning
Walworth County Walworth to La Grange	17	0040CST			0	0	3K		Thunderstorm Wind
Washington County West Bend	17	0040CST			0	1	35K		Lightning
Waukesha County Oconomowoc	17	0120CST			0	0	2K		Lightning
Milwaukee County Greenfield	17	0130CST			0	0	50K		Lightning
Jefferson County Jefferson	17	0200CST 0500CST			0	0	30K		Flash Flood

Late afternoon thunderstorms rumbled across southern Wisconsin producing classic severe weather damage in many locations. There were numerous reports of wind damage to trees and power lines, large hail, and lightning. One injury was reported when lightning struck a man in Washington county in the city of West Bend. The havoc increased in intensity overnight, mainly in the form of flooding.

Several counties had urban/small stream flooding thanks to 2 to 3 inch rainfalls that left water 1 to 3 feet deep in low spots on roads and underpasses. But flash flooding also developed...with 5 to 7 inches measured in the southern third of Lafayette county during the overnight hours. Several Lafayette County roads had pavement and/or shoulder washouts, and several others were closed. The area around Oregon in Dane county received 4.8 inches in 6 hours, between 11pm and 5 am. Eighteen Oregon homes sustained damage, with 12 homes of them evacuated. There were some road washouts in the Oregon area due to flash flooding. In Green county the Sugar River at Brodhead rose 3.13 feet over the 5 foot flood stage, and was above flood stage through May 21st. The Pecatonica River near Martintown in southwest Green County rose 5.49 feet over its flood stage of 11 feet. It was above flood stage through the 26th of the month. In addition, 5 bridges were washed out near the city of Brooklyn. Rainfall amounts across Green County were in the 3 to 5 inch range. The city of Jefferson in Jefferson county measured 4.1 inches of rain in 2 hours, a 100 year rainfall for that location. The resultant flash flood damaged the interior and exterior of 5 schools which were all closed on the 17th. The southwest part of the city of Milwaukee experienced a flash flood that completely flooded underpasses, stalled dozens of vehicles, caused



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WISCONSIN, Southeast

hillside erosion, undermined some roads, and caused a 10 vehicle crash at the I-43 and Highway 100 intersection. Spotty, county-wide road washouts and severe erosion were noted in Iowa County due to local flash flooding in the wake of 3 to 5 inches of rain within 2 to 3 hours.

Along with the heavy rains a microburst with winds estimated at 70 mph caused minor damage to several homes near Emerald Grove (Rock Co.) and collapsed a farm outbuilding. Another downburst struck the south side of Janesville (Rock Co.), damaging the roofs of 3 businesses, flipping over 3 storage tanks, and overturning a semi truck. The powerful downburst winds which hit the Wheatland area (Kenosha Co.), damaged a school roof, and then damaged a roof and window of a home across the street.

Lightning in the Madison area (Dane Co.) resulted in one serious home fire, and damage to 5 vehicles at a car dealership. Four Milwaukee (Milwaukee Co.) homes were struck by lightning and experienced minor fires. In the city of Janesville, lightning started a fire in an apartment building. In West Bend (Washington Co.) lightning struck a home under construction, resulting in a significant fire. There were other scattered reports of lightning striking homes or businesses, resulting in minor fires. At one time or another, about 13,000 electrical customers in southcentral and southeast Wisconsin were without power due to lightning striking lines or transformers.